

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/873,403B  
Source: IFW/6  
Date Processed by STIC: 08/17/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/17/2006

PATENT APPLICATION: US/09/873,403B

TIME: 09:42:39

Input Set : E:\8449-178 (2nd substitute).txt

Output Set: N:\CRF4\08172006\I873403B.raw

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3 <110> APPLICANT: Srivastava, Pramod
5 <120> TITLE OF INVENTION: COMPLEXES OF ALPHA (2) MACROGLOBULIN AND ANTIGENIC
6   MOLECULES FOR IMMUNOTHERAPY
8 <130> FILE REFERENCE: 8449-178-999
10 <140> CURRENT APPLICATION NUMBER: 09/873,403B
11 <141> CURRENT FILING DATE: 2001-06-04
13 <150> PRIOR APPLICATION NUMBER: 09/625,139
14 <151> PRIOR FILING DATE: 2000-07-25
16 <150> PRIOR APPLICATION NUMBER: 60/209,266
17 <151> PRIOR FILING DATE: 2000-06-02
19 <160> NUMBER OF SEQ ID NOS: 12
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 14849
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus sp.
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (442)..(14079)
32 <400> SEQUENCE: 1
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37 caattgtgca tttttgcagc cggagtcggc tccgagatgg ggctgtgagc ttcgccctgg      180
39 gagggggaga ggagcgagga gtaaagcagg ggtgaagggt tcgaatttgg gggcaggggg      240
41 cgcaccgcgc tcagcaggcc cttcccaggg ggctcggaac tgtaccattt cacctatgcc      300
43 cctggttcgc tttgcttaag gaaggataag atagaagagt cggggagagg aagataaagg      360
45 gggaccccc aattgggggg ggcgaggaca agaagtaaca ggaccagagg gtgggggctg      420
47 ctgtttgcat cggcccacac c atg ctg acc ccg ccg ttg ctg ctg ctc gtg      471
48                               Met Leu Thr Pro Pro Leu Leu Leu Leu Val
49                               1           5           10
51 ccg ctg ctt tca gct ctg gtc tcc ggg gcc act atg gat gcc cct aaa      519
52 Pro Leu Leu Ser Ala Leu Val Ser Gly Ala Thr Met Asp Ala Pro Lys
53                               15           20           25
55 act tgc agc cct aag cag ttt gcc tgc aga gac caa atc acc tgt atc      567
56 Thr Cys Ser Pro Lys Gln Phe Ala Cys Arg Asp Gln Ile Thr Cys Ile
57                               30           35           40
59 tca aag ggc tgg cgg tgt gac ggt gaa aga gat tgc ccc gac ggc tct      615
60 Ser Lys Gly Trp Arg Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser
61                               45           50           55
63 gat gaa gcc cct gag atc tgt cca cag agt aaa gcc cag aga tgc ccg      663
64 Asp Glu Ala Pro Glu Ile Cys Pro Gln Ser Lys Ala Gln Arg Cys Pro
65                               60           65           70
67 cca aat gag cac agt tgt ctg ggg act gag cta tgt gtc ccc atg tct      711

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81			125					130					135				
83	agc	ttc	cag	ctc	gag	gca	gat	ggc	aag	acg	tgc	aaa	gat	ttt	gac	gag	903
84	Ser	Phe	Gln	Leu	Glu	Ala	Asp	Gly	Lys	Thr	Cys	Lys	Asp	Phe	Asp	Glu	
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104	Gln	Val	Ser	Thr	Ile	Thr	Pro	Thr	Ser	Thr	Arg	Gln	Thr	Thr	Ala	Met	
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109	235				240					245				250			
111	agt	gct	gcc	cag	aca	cag	ctc	aag	tgt	gcc	cgg	atg	cct	ggc	ctg	aag	1239
112	Ser	Ala	Ala	Gln	Thr	Gln	Leu	Lys	Cys	Ala	Arg	Met	Pro	Gly	Leu	Lys	
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115	ggc	ttt	gtg	gat	gag	cat	acc	atc	aac	atc	tcc	ctc	agc	ctg	cac	cac	1287
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120	Val	Glu	Gln	Met	Ala	Ile	Asp	Trp	Leu	Thr	Gly	Asn	Phe	Tyr	Phe	Val	
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123	gac	gac	att	gac	gac	agg	atc	ttt	gtc	tgt	aac	cga	aac	ggg	gac	acc	1383
124	Asp	Asp	Ile	Asp	Asp	Arg	Ile	Phe	Val	Cys	Asn	Arg	Asn	Gly	Asp	Thr	
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127	tgt	gtc	act	ctg	ctg	gac	ctg	gaa	ctc	tac	aac	ccc	aaa	ggc	atc	gcc	1431
128	Cys	Val	Thr	Leu	Leu	Asp	Leu	Glu	Leu	Tyr	Asn	Pro	Lys	Gly	Ile	Ala	
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131	ttg	gac	ccc	gcc	atg	ggg	aag	gtg	ttc	ttc	act	gac	tac	ggg	cag	atc	1479
132	Leu	Asp	Pro	Ala	Met	Gly	Lys	Val	Phe	Phe	Thr	Asp	Tyr	Gly	Gln	Ile	

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139	gtg	gat	agc	aag	atc	gtg	ttt	cca	cac	ggc	atc	acc	ctg	gac	ctg	gtc	1575
140	Val	Asp	Ser	Lys	Ile	Val	Phe	Pro	His	Gly	Ile	Thr	Leu	Asp	Leu	Val	
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143	agc	cgc	ctc	gtc	tac	tgg	gcg	gac	gcc	tac	cta	gac	tac	atc	gag	gtg	1623
144	Ser	Arg	Leu	Val	Tyr	Trp	Ala	Asp	Ala	Tyr	Leu	Asp	Tyr	Ile	Glu	Val	
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147	gta	gac	tac	gaa	ggg	aag	ggg	cag	acc	atc	atc	caa	ggc	atc	ctg		1671
148	Val	Asp	Tyr	Glu	Gly	Lys	Gly	Arg	Gln	Thr	Ile	Ile	Gln	Gly	Ile	Leu	
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151	atc	gag	cac	ctg	tac	ggc	ctg	acc	gtg	ttt	gag	aac	tat	ctc	tac	gcc	1719
152	Ile	Glu	His	Leu	Tyr	Gly	Leu	Thr	Val	Phe	Glu	Asn	Tyr	Leu	Tyr	Ala	
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163	aag	ggt	ggt	gcc	ctg	cat	atc	tac	cac	cag	cga	cgc	cag	ccc	cga	gtg	1863
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167	cgg	agt	cac	gcc	tgt	gag	aat	gac	cag	tac	ggg	aag	cca	ggt	ggc	tgc	1911
168	Arg	Ser	His	Ala	Cys	Glu	Asn	Asp	Gln	Tyr	Gly	Lys	Pro	Gly	Gly	Cys	
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183	att	aga	ggc	atg	gac	atg	ggg	gcc	aag	gtc	cca	gat	gag	cac	atg	atc	2103
184	Ile	Arg	Gly	Met	Asp	Met	Gly	Ala	Lys	Val	Pro	Asp	Glu	His	Met	Ile	
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187	ccc	atc	gag	aac	ctt	atg	aat	cca	cgc	gct	ctg	gac	ttc	cac	gcc	gag	2151
188	Pro	Ile	Glu	Asn	Leu	Met	Asn	Pro	Arg	Ala	Leu	Asp	Phe	His	Ala	Glu	
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191	acc	ggc	ttc	atc	tac	ttt	gct	gac	acc	acc	agc	tac	ctc	att	ggc	cgc	2199
192	Thr	Gly	Phe	Ile	Tyr	Phe	Ala	Asp	Thr	Thr	Ser	Tyr	Leu	Ile	Gly	Arg	
193					575					580					585		
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223	gtg	ctt	tgg	ccc	aat	ggg	cta	agc	ctg	gat	atc	cca	gcc	gga	cgc	ctc	2583
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228	Tyr	Trp	Val	Asp	Ala	Phe	Tyr	Asp	Arg	Ile	Glu	Thr	Ile	Leu	Leu	Asn	
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292	Ser	Cys	Ala	Tyr	Pro	Thr	Cys	Phe	Pro	Leu	Thr	Gln	Phe	Thr	Cys	Asn	
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312	Thr	His	Ala	Asn	Cys	Thr	Asn	Gln	Ala	Thr	Arg	Pro	Pro	Gly	Gly		
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316	Cys	His	Ser	Asp	Glu	Phe	Gln	Cys	Pro	Leu	Asp	Gly	Leu	Cys	Ile		
317			1065					1070				1075					
319	ccc	ctg	agg	tgg	cgc	tgc	gac	ggg	gac	acc	gac	tgc	atg	gat	tcc		3717
320	Pro	Leu	Arg	Trp	Arg	Cys	Asp	Gly	Asp	Thr	Asp	Cys	Met	Asp	Ser		
321			1080					1085				1090					
323	agc	gat	gag	aag	agc	tgt	gag	ggc	gtg	acc	cat	gtt	tgt	gac	ccg		3762
324	Ser	Asp	Glu	Lys	Ser	Cys	Glu	Gly	Val	Thr	His	Val	Cys	Asp	Pro		
325			1095					1100				1105					
327	aat	gtc	aag	ttt	ggc	tgc	aag	gac	tcc	gcc	cgg	tgc	atc	agc	aag		3807
328	Asn	Val	Lys	Phe	Gly	Cys	Lys	Asp	Ser	Ala	Arg	Cys	Ile	Ser	Lys		

**VERIFICATION SUMMARY**

DATE: 08/17/2006

PATENT APPLICATION: US/09/873,403B

TIME: 09:42:40

Input Set : E:\8449-178 (2nd substitute).txt

Output Set: N:\CRF4\08172006\I873403B.raw